

Concrete: How to design it, how to build it, how to maintain it.

Presentation will include discussion and detail on the following:

Designing Concrete based on application – Good pavement design practices, mix design details and criteria, common pitfalls, resources, specifications. Goal is to present and review best practices for how to design concrete roadway projects, including the coordination of the structural design and the design of materials to be used.

Building Concrete using good practices – Construction practices, quality control and quality assurance expectations, bidding practices, common pitfalls, resources. Goal is to present and review the best practices related to proper construction of concrete, and how to avoid damaging the concrete such that long-term performance could be affected.

Maintaining Concrete through preservation – Proper preservation plans, budgeting, trouble shooting and reactive actions, common pitfalls, resources, specifications. Goal is to present how to manage the long-term maintenance and repair of a new concrete pavement, including technical and financial resources necessary.